

Subsequently, ADESH was sequenced. Synthetic ADESH was constructed using ten amino acids N L G E H P V C D S (SEQ. ID. NO: 3) of the fragment from its N-terminal is designated as AD-10. Different versions of synthetic ADESH such as AD-15 and AD-5 consisting of 15 and 5 amino acids respectively were constructed; having the sequence: N L G E H P V C D S T D T W V (SEQ. ID. NO: 2) for AD-15 and N L G E H (SEQ. ID. NO: 4) for AD-5. The synthetic AD-15 and AD-5 mimic the biological activity of the natural NGF.---

IN THE CLAIMS

Kindly enter the amendments to the claims shown below.

Please amend claim 1 to read as follows:

- 67
1. (Twice Amended) A composition of matter consisting of a peptide as set forth in SEQ ID NO: 3.

Kindly cancel claims 6 and 7.

Please amend claim 14 to read as follows:

- 81
14. (Amended) A synthetic peptide containing from 5 to 15 amino acids from the N-terminal of the SEQ. ID NO: 2 which produces an antibody which has a binding affinity to nerve growth factors from human body fluids and human origin eukaryotic cells which is higher than a binding affinity exhibited by an antibody produced in immunological response to a nerve growth factor derived from venom.